

1 WEDGE WITH PUSH ROD AND HANDLE

2 BACKGROUND OF THE INVENTION

3 1. FIELD OF THE INVENTION

4 THIS INVENTION RELATES TO THE APPLICATION OF WEDGES FOR THE  
5 PURPOSE OF ACTING AS A STOP, ACTING AS A RELEASE MECHANISM IN MOTORS  
6 BRAKES, AND OTHER ACTUATING DEVICES HAVING ROTATING, OSCILATING, OR  
7 SLIDING PARTS FOUND IN RAILROAD TRAINS, TRUCKS, CARS AND MANY OTHER  
8 TYPES OF TRANSPORTATION. THE PURPOSE OF THIS INVENTION IS TO KEEP  
9 THE DOOR OF AUTOMOBILE OPEN WHEN A VEHICLE IS STOP, AND PARKED ON  
10 AN INCLINE IN WHICH THE DOOR HAS A TENDENCY TO CLOSE AS A PERSON  
11 ATTEMPTS TO EXIT THE VEHICLE.

12 2. DESCRIPTION OF THE PRIOR ART

13 REFERENCES CITED

14 U.S. PATENT DOCUMENTS

15	1,877,263	9/1932	BEAUCHAMP	292/342X
16	3,989,291	11/1976	HUCKNALL	292/262
17	4,042,265	8/16/1977	CHEZEM	292/268/298
18	4,501,444	2/1985	DOMINGUEZ	343,207,277
19	2,122,312	6/1938	CASSION	292/342
20	5,421,124	6/1995	ZUCCARO	296/207
21	4,936,621	6/1990	SHIMODA	296/207X
22	5,468,032	11/1995	HEBERT ET AL.	292/288
23	4,230,353	10/1980	BJORGUM	292/343
24	5,711,560	1/1998	GILBERTSON	292/343
25	5,011,203	4/1991	TACKETT	292/343
26	6,574,833 B1	10/2003	TOMAIUOLO	16/422
27	6,340,189B1	1/2002	PORDY	296/1.1

28 THE DISCLOSURES OF THE PRIOR ART ARE UNIQUE BUT FUNCTIONALLY  
29 DISSIMILAR THAN THE PURPOSE OF THIS INVENTION.  
30 THIS INVENTION IS SIMPLE IN CONSTRUCTION, EASY TO MAKE AND SERVES  
31 A HUMAN NEED. THOMAS J. MAZZONE, THE PETITIONER, IS THE SOLE INVENTOR  
32 OF THIS DISCLOSURE, AND IS NOT AWARE OF ANY OTHER PATENTS IN CONFLICT  
WITH THIS ONE, OR PROPOSED USE.

1 SUMMARY OF THE INVENTION

2 BY

3 THIS INVENTION HAS BEEN INITIATED EXPERIENCING THE DIFFICULTY  
4 OF EXITING FROM A CAR WHEN IT IS PARKED ON A INCLINE. THE CAR DOOR  
5 WILL NOT REMAIN OPEN MAKING IT VERY HARD TO GET OUT OF THE CAR.  
6 THE PROBLEM TAKES ON MORE DIFFICULTY IF A PERSON IS HANDICAPPED.  
7 THEREFORE THIS INVENTION IS A SOLUTION TO THIS PROBLEM BY THE USE  
8 OF A WEDGE WITH A PUSH ROD AND HANDLE THAT CAN BE INSERTED INTO  
9 THE CERVASSE OF THE DOOR HINGE.

10 BRIEF DISCRPTION OF THE DRAWINGS

11 THERE ARE FOUR BASIC VIEWS OF THIS INVENTION: A TOP VIEW  
12 SHOWING THE STRUCTURE OF THE WEDGE ASSEMBLY, A VIEW OF THE DOUBLE  
13 EYELET COUPLING, A VIEW OF THE ASSEMBLY WITH THE ROD AND HANDLE  
14 AS ONE INTEGRATED PART, AND A VIEW ILLUSTRATING THE INSERTION OF  
15 THE WEDGE ASSEMBLY INTO THE MECHANISM OF THE HINGE TO PREVENT THE  
16 DOOR FROM CLOSING WHEN PARKED ON AN INCLINE SUCH AS A DRIVEWAY.

17 DETAILED DISCRPTION OF THE INVENTION

18 INITIALLY, REFERENCE WILL BE MADE TO FIGURE 1 SINCE IT IS A  
19 PLAN VIEW OF THE WEDGE WITH ROD AND HANDLE ASSEMBLY SHOWING THE  
20 TOP, FRONT, SIDE VIEW OF THE WEDGE WITH THE PUSH ROD AND HANDLE  
21 ARRANGEMENT. THE TOP VIEW OF THE WEDGE, MEMBER 1, ILLUSTRATES ITS  
22 GEOMETRIC FORM WITH FOUR (4) PERPENDICULAR SIDES AND TWO (2)  
23 INCLINED SIDES. THE FRONT, TIP, SIDE 3 AND THE REAR SIDE 5 ARE  
24 PARALLEL TO EACH OTHER, AND SIDE 4 IS PERPENDICULAR TO SIDES 3 AND  
25 5. WHILE SIDES 14 AND 15 ARE INCLINED TO SIDES 3 AND 5. ALL THE  
26 SURFACES OF WEDGE, MEMBER 1 ARE COATED WITH A THICK RUBBER LIKE  
27 MATERIAL THAT IS REFERRED TO AS MEMBER 2. THE COUPLING WITH THE  
28 DOUBLE EYELET IS REFERRED TO AS MEMBER 7 AND IS ALSO COATED WITH  
THE SAME MATERIAL REFERRED TO AS MEMBER 2.

29 MEMBER 6 IS A ROD SHOWN ATTACHED TO THE SAID WEDGE WITH A FUR-  
30 NITURE CUP ATTACHED TO THE END. THE ROD, MEMBER 6, PASSES THROUGH  
31 ONE EYELET OF THE COUPLING, MEMBER 7, AND THE SECOND EYELET HOLD  
32 THE HOOK (HANDLE), MEMBER 8, IN A FIRM POSITION RELATIVE TO THE  
SAID ROD. VIEW A-A OF THE COUPLING ILLUSTRATES THE GEOMETRY OF  
ELEMENT. FIGURE 2 DEPICTS THE ROD, MEMBER 6, AND THE HANDLE, NUMBER  
8, CONSTRUCTED AS ONE UNIT WITH THE FURNITURE CUP, MEMBER 9,

1 CONNECTED TO THE END OF THE ROD AS PREVIOUSLY DESCRIBED, THEREBY  
2 ELIMINATING THE NEED FOR A COUPLER. FIGURE 3 ILLUSTRATES THE  
3 HINGE CONNECTED TO THE CAR DOOR 13 AND THE CAR BODY 12 WITH  
4 THE DOOR IN THE OPEN POSITION, AND THE SAID WEDGE INSERTED INTO  
5 THE CERVASSE OF THE HINGE 11, THEREBY PREVENTING THE DOOR FROM  
6 CLOSING.